JA Series
Rocker Switches

Features

- *Low level switching at 2 AMPS*
- *Right angle PCB mounting*
- *Low cost*

Models Available

Applications

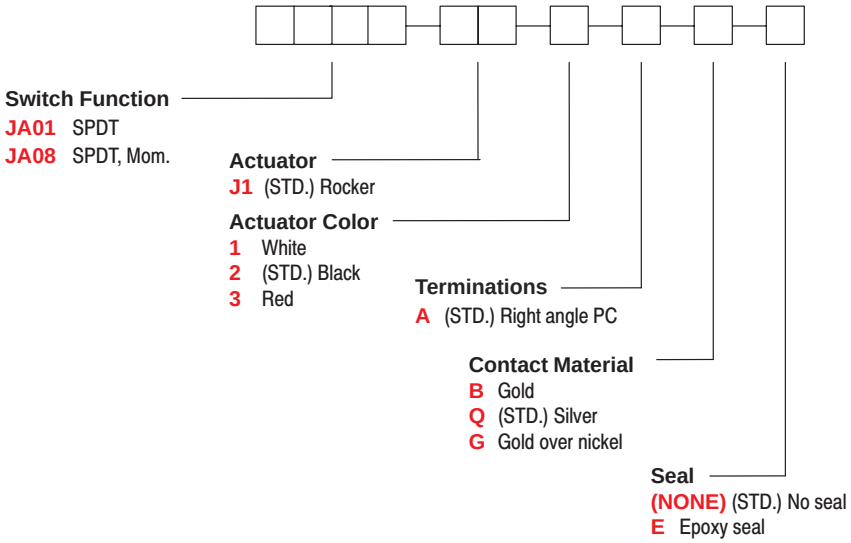
- *Modems*
- *Entertainment devices*
- *Computer printers*

D

Rocker Switches

Build-A-Switch

Our easy Build-A-Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box. A rocker switch with standard options is shown on page D-29. Available options are shown and described on pages D-29 and D-30. For additional options not shown in catalog, consult factory.



How To Order

When building a part number, select the desired options from each category and place in the appropriate boxes. Typical Example: Single pole double throw, rocker actuator; black actuator color; PC terminations; copper, silver plated contacts and terminals; and no seal. Hardware and accessories are available separately, see catalog section K.

Typical Example:

J	A	0	1	J	1	2	A	Q	

Specifications

CONTACT RATING: 2 AMPS @ 125 V AC; 1 AMP @ 250 V AC. (UL/CSA) ('Q' contact material).

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

MECHANICAL LIFE 100,000 cycles min.

CONTACT RESISTANCE: Below 20 milliohms typ. initial @ 2-4 DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10^9 ohms min.

DIELECTRIC STRENGTH: 1,000 V RMS min. @ sea level.

OPERATING TEMPERATURE: –30°C to 85°C

NOTE: Specifications and materials listed above are for standard switches. For information on specific and custom switches, consult factory.

Materials

HOUSING & ACTUATOR SUPPORT: 6/6 nylon (UL 94V-2), black (std.).

ACTUATOR: 6/6 nylon (UL 94V-2), black (std.).

PLUNGER: Glass filled polyester (UL 94V-0).

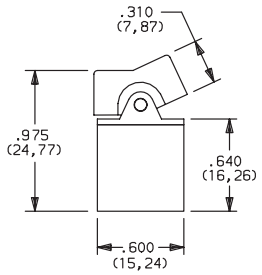
CONTACTS & TERMINALS: Copper, silver plated ('Q' contact material).

SWITCH SUPPORT TERMINALS: Brass, tin plated (not electrically connected).

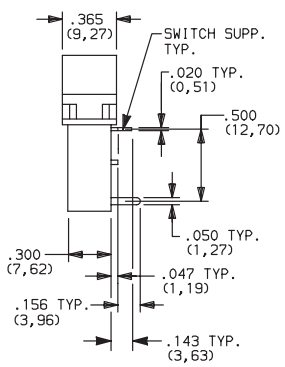
CONTACT SPRING: Music wire or stainless steel.

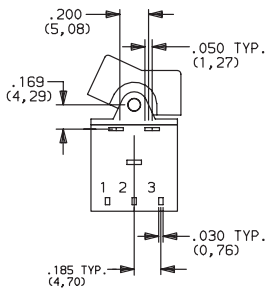
TERMINAL SEAL: Epoxy.

SWITCH WITH STANDARD OPTIONS



ACTUATOR SHOWN IN POS. 3.

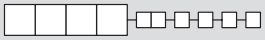




TERM. NOS. FOR
REFERENCE ONLY.

Part No. Shown: JA01J12AQ

SWITCH FUNCTION

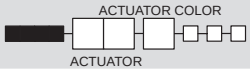


NO. POLES	MODEL NO.	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2	SWITCH FUNCTION POS. 3	CONNECTED TERMINALS POS. 1	CONNECTED TERMINALS POS. 2	CONNECTED TERMINALS POS. 3	SCHEMATIC
SPDT	JA01	ON	NONE	ON	2-3	OPEN	2-1	
	JA08	ON	NONE	MOM.				

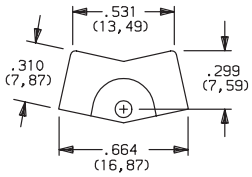
MOM. = MOMENTARY

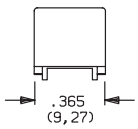
Contact makes on side opposite actuator thrown.

ACTUATOR



J1 (STD.) ROCKER



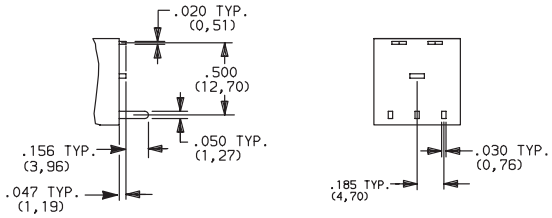


OPTION CODE	ACTUATOR COLOR
1	WHITE
2	(STD.) BLACK
3	RED

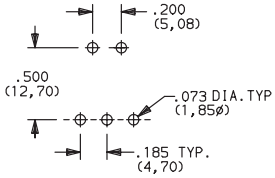
NOTE: Other colors available, consult factory.

TERMINATIONS

A (STD.) RIGHT ANGLE PC



PC MOUNTING



CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
B	GOLD [1]	LOW LEVEL / DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
Q	(STD.) SILVER [2]	POWER	2 AMPS @ 125 V AC; 1 AMP @ 250 V AC (UL / CSA).
G	GOLD OVER SILVER [3]	LOW LEVEL / DRY CIRCUIT OR POWER	0.4 VA MAX. @ 20 V AC OR DC MAX. OR 2 AMPS @ 125 V AC; 1 AMP @ 250 V AC (UL / CSA).

CONTACT MATERIAL / APPLICATION RECOMMENDATIONS — SEE CHART, PAGE XVI.

[1] CONTACTS & TERMINALS: Copper, with gold plate over nickel plate.
[2] CONTACTS & TERMINALS: Copper, silver plated.
[3] CONTACTS & TERMINALS: Copper, with gold plate over silver plate.

NOTE: 'G' contact material is equivalent to both 'B' and 'Q' contact materials.
All models with all options when ordered with 'G' or 'Q' contact material.

SEAL

(NONE) (STD.) NO SEAL

Standard with all termination options.

E EPOXY SEAL